

FEATURE: Klamath River Dams Removal Partial Removal Option Copco No. 1 Dam & Powerplant Removal Most Probable - Escalation NOT Incuded Life Cycle - 50 Year Summary				PROJECT: Klamath River Oregon			
				WOID: AF652	ESTIMATE LEVEL: Feasibility		
				REGION: MP	UNIT PRICE LEVEL: Jul-10		
				FILE: U:\2011 Projects\Klamath\002 Completed Sheets\MP MPL MPH\01 - Copco 1\No escalation shts\Copco 1 - MP - Probable.xlsx\Life Cycle Summary			

PLANT ACCOUNT	PAY ITEM	DESCRIPTION	CODE	QUANTITY	UNIT	UNIT PRICE	AMOUNT
		Periodic Costs - Year 1					\$95,000.00
		Periodic Costs - Year 8					\$32,566.50
		Periodic Costs - Year 17					\$31,689.00
		Periodic Costs - Year 25					\$16,380.90
		Periodic Costs - Year 33					\$16,596.72
		Periodic Costs - Year 42					\$8,239.50
		Periodic Costs - Year 50					0.00
		Annual Costs - Maintenance					\$525,752.00
		(Assumes gov't service / construction contracts)					
		Subtotal 1					\$726,224.62
		Mobilization	5%	+/-			\$36,000.00
		Subtotal 1 with Mobilization					\$762,224.62
		Escalation to Notice to Proceed (NTP), from Unit Price Level (July 2010) to NTP (July 2020),					
		at		per year for		months.	
		Subtotal 2 = Subtotal 1 with Mobilization + Escalation to NTP					\$762,224.62
		Design Contingencies	10%	+/-			\$77,775.38
		Subtotal 3 = Subtotal 2 + Design Contingencies					\$840,000.00
		Allowance for Procurement Strategies (APS)	0	+/-			
		Type of solicitation assumed: Competitive Request for Proposal					
		Subtotal 4 = Subtotal 3 + APS					\$840,000.00
		CONTRACT COST					\$840,000.00
		Construction Contingencies	20%	+/-			\$160,000.00
		FIELD COST					\$1,000,000.00
		Non-Contract Costs	30%	+/-			\$500,000.00
		(Environmental Cultural / Mitigation ~ 7%,					
		Engineering Design ~ 5%, Maintenance Service Contract ~ 5%					
		Procurement ~ 2%, Inspections ~ 10%					
		and Closeout ~ 1%)					
		CONSTRUCTION COST					\$1,500,000.00
		Note: intial estimate completed 4/17/11, revised non-contract costs 5/12/11, design contingencies costs 6/9/11					
		Ref.: For appropriate use and terminology, see Reclamation Manual, Directives and Standards FAC; 09-01, 09-02 and 09-03.					

QUANTITIES		PRICES	
BY Rick Benik	CHECKED Stephen Latham	BY <i>g. akins</i> Greg Akins	CHECKED <i>Shawla J. Smith</i> 6/15/11
DATE PREPARED 03/24/11	PEER REVIEW / DATE Tom Hepler P.E. 3/25/11	DATE PREPARED	PEER REVIEW / DATE <i>JD</i> 4/15/11

FEATURE:

Klamath River Dams Removal
 Partial Removal Option
 Copco No. 1 Dam & Powerplant Removal
 Most Probable Low- Escalation NOT Included

Life Cycle - 50 Year

Summary

PROJECT:

Klamath River
 Oregon

WOID: AF652 **ESTIMATE LEVEL:** Feasibility


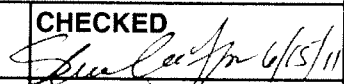

REGION: MP **UNIT PRICE LEVEL:** Jul-10

FILE: U:\2011 Projects\Klamath\002 Completed Sheets\MP MPL MPH\01 - Copco 1\No escalation shts\Copco 1 MPL - Probable.xlsx\Life Cycle Summary

PLANT ACCOUNT	PAY ITEM	DESCRIPTION	CODE	QUANTITY	UNIT	UNIT PRICE	AMOUNT
		Periodic Costs - Year 1					\$81,800.00
		Periodic Costs - Year 17					\$17,906.80
		Periodic Costs - Year 25					\$5,460.30
		Periodic Costs - Year 33					\$9,378.46
		Periodic Costs - Year 50					0.00
		(Assumes gov't service / construction contracts)					
		Annual Costs - Maintenance					\$357,511.00
		Subtotal 1					\$472,056.56
		Mobilization	5%	+/-			\$24,000.00
		Subtotal 1 with Mobilization					\$496,056.56
		Escalation to Notice to Proceed (NTP): from Unit Price Level (July, 2010) to NTP (July, 2020)					\$0.00
		at		per year for		months.	
		Subtotal 2 = Subtotal 1 with Mobilization + Escalation to NTP					\$496,056.56
		Design Contingencies	8%	+/-			\$43,943.44
		Subtotal 3 = Subtotal 2 + Design Contingencies					\$540,000.00
		Allowance for Procurement Strategies (APS)	0%	+/-			
		Type of solicitation assumed is: Full and open sealed bid competition					
		Subtotal 4 = Subtotal 3 + APS					\$540,000.00
		CONTRACT COST					\$540,000.00
		Construction Contingencies	18%	+/-			\$90,000.00
		FIELD COST					\$630,000.00
		Non-Contract Costs	25%	+/-			\$160,000.00
		(Environmental Cultural / Mitigation ~ 5%, Engineering					
		Design ~ 4%, Maintenance Service Contract ~ 4%					
		Procurement ~ 1%, Inspections ~ 10%					
		and Closeout ~ 1%)					
		CONSTRUCTION COST					\$790,000.00

Ref.: For appropriate use and terminology, see Reclamation Manual, Directives and Standards FAC; 09-01, 09-02 and 09-03.

QUANTITIES**PRICES**

BY Rick Benik	CHECKED Stephen Latham	BY  Greg Akins	CHECKED  6/15/11
DATE PREPARED 03/24/11	PEER REVIEW / DATE Tom Hepler P.E. 3/25/11	DATE PREPARED	PEER REVIEW / DATE  6/15/11